

TABLE OF CONTENTS

目 录

Finite Element Modeling of Plastic Metal Flow in Friction Stir Welding of TA15 Titanium (TA15 钛合金搅拌摩擦焊金属流动的有限元模拟)	
K. J. SONG, Y. H. WEI, Z. B. DONG.....	105
Research on High Pressure Simulation Wellbore Wall Thickness with Crushing Completion Tools (压裂完井工具高压模拟井筒壁厚的研究)	
Q. S. JIA, J. S. YE, W. K. YIN, L. J. ZHANG, G. D. DING.....	110
Failure Analysis on Interfacial Slipping in a Film/Substrate Structure (薄膜与基体间的界面滑移破坏)	
L. C. DAI, J. J. GONG, X. GU.....	113
Surface Defects Inspection of Solar Cell Based on Halcon (基于 Halcon 的太阳能硅片缺陷检测)	
Y. M. HUANG, M. YI, N. FANG, X. Z. LI, M. LI.....	118
Stress Field Near to an Elliptic Inclusion in a Piezoelectric Medium (压电材料中椭圆形夹杂附近的应力场)	
L. C. DAI, J. J. GONG, X. GU, X. S. LI.....	123
The Liquid Analysis of Deduster Dehydration by ANSYS/FLOTRAN (基于 ANSYS/FLOTRAN 的除尘器脱水板的流体分析)	
Y. Y. MA, Y. WANG.....	129
Application and Development of Numerical Simulation in Laser Cladding (激光熔覆数值模拟的应用及发展)	
Y. W. GENG, L. YIN.....	134
The Application of SAP System PM Module in the Management of Vehicle Welding Line (SAP 系统 PM 模块在汽车焊装生产线管理中的应用)	
D. W. GAO.....	141
3D Surface Topography Analysis Using Image Processing Technology in NC (数控加工中 3D 表面形貌数字图像处理技术)	
H. Q. CHEN.....	146
Automatic Register Control System Design for Gravure Printing Based on Host-Guest Architecture (基于主从结构的凹版自动印刷套色系统设计)	
P. XU, Z. Y. WANG, Z. H. DENG.....	151
The Simulation and Analysis on Medium Motion in Ball Mill by Discrete Element Method (基于离散元法的球磨机介质运动仿真分析)	
L. LI, J. W. ZHANG.....	157

Finite Element Analysis on Large-Diameter Pipe Tee Reinforcing in Ethylene Project
(乙烯工程大口径管道三通的补强有限元分析)

Y. C. BAI, D. J. QU, X. Y. SHENG, Y. T. SHANG.....162

Application Research of 6N137 High-Speed Optocoupler in Concrete Block Machine
(6N137 高速光耦在混凝土砌块机上的应用研究)

H. Q. HUANG, S. C. ZENG, W. J. ZHOU, D. P. YANG.....168